

U.S. Serial No. 09/987,816

ASA-1041

IN THE CLAIMS

1. (Currently amended) A communication system having a portable computer provided with a communication function, for enabling said computer to communicate data through a public phone, comprising:

said computer having a standard wireless data communication device;

said public phone having a standard wireless data communication device; and

~~wherein said computer serves to wirelessly communicate data with said public phone and said public phone serves to connect with a connecting line of an internet provider,~~

a database provided in each carrier of said public phone and storing connection information from said public phone to a plurality of internet providers;

wherein when said computer is connected to said public phone, said computer obtains connection information on said database as to connected public phones to obtain best-suited carrier lines and providers, and to determine a public phone and a service provider to be connected, for connecting said computer with the internet.

2. (Canceled).

U.S. Serial No. 09/987,816

ASA-1041

3. (Currently amended) A communication system as claimed in claim [[2]] 1,

wherein said connection information ~~about a line~~ includes a line type, a transmission speed of the line, [[and]] a toll, ~~and said information about the contact points of the internet provider includes~~ a phone number of the contact point of the internet provider, a transmission speed of a connecting line, a type of a connecting line, a line congestion, information about a contract, and information about one or more internet providers associated with said internet provider.

4. (Currently amended) A communication system as claimed in claim [[2]] 1,

wherein said internet provider operates to transmit to a center station of a phone company a phone number of the contact point of the internet provider, a transmission speed of a connecting line, a type of a connecting speed, a line congestion, information about a contract, and information about one or more internet providers associated with said internet provider, and

said phone company operates to classify the information according to each area code and add the line type of the public phone, a transmission speed of the line, and a toll to

U.S. Serial No. 09/987,816

ASA-1041

said classified information and then transmit the resulting information to said public phone.

5. (Currently amended) A method of connecting with an access point of an internet provider through a public line connecting device for connecting a mobile terminal provided with a wireless communication unit with said public line, comprising the steps of:

storing connection information, as to said public line, of said internet provider to be connected;

enabling said mobile terminal to detect a wirelessly communicable public line connecting device; and

~~obtaining the access point information of the internet provider~~ said connection information and line information of said internet provider from said detected public line connecting device.

6. (Currently amended) A method as claimed in claim 5, ~~comprising~~ wherein said connection information of said internet provider includes access point information, and said method further comprises the step of visually outputting said connection information of said internet provider ~~the access~~

U.S. Serial No. 09/987,816

ASA-1041

~~point information obtained by said mobile terminal~~ to the user
of said mobile terminal.

7. (Currently amended) A method as claimed in claim 5,
further comprising the step of connecting said mobile terminal
with one of the access points obtained by said mobile
terminal.

8. (Currently amended) A method as claimed in claim 5,
further comprising the step of obtaining toll information of
said public line connecting device through said mobile
terminal.

9. (Currently amended) A method as claimed in claim 8,
further comprising the step of visually outputting the access
point information and the toll information obtained by said
_____mobile terminal to the user of said mobile terminal.

10. (Currently amended) A method as claimed in claim 8,
further comprising the step of connecting one access point
selected through the public line connecting device selected on
the access point information and the toll obtained by said
mobile terminal.

U.S. Serial No. 09/987,816

ASA-1041

11. (Original) A method as claimed in claim 5,
wherein the step of obtaining the information about the
access point of the internet provider from said detected
public connecting device includes the substeps of:
enabling said mobile terminal to provide said public line
connecting device with information for specifying one
provider; and
retrieving the access point corresponding to the
information for specifying the provider received by said
public line connecting device and transmitting said retrieved
access point to said mobile terminal.